



**MONTGOMERY COUNTY FIRE AND RESCUE SERVICE
DRIVER/OPERATOR TRAINING PROGRAM**

**EMERGENCY VEHICLE DRIVER/OPERATOR
TRAINING COMPETENCIES
TRUCK/TOWER/TRACTOR TRAILER TRUCK**

Trainee Name: _____ **ID#** _____ **Date:** _____

Station/Shift/Dept: _____ **Mentor:** _____

Unit #: _____ **Make:** _____ **Year:** _____

Section	Performance Level	Competencies	OIC Signature	Date Completed
1.0		Emergency Vehicle Pre-Response Preventative Maintenance Inspection (NFPA 1002)		
1.1	Master	Candidate will explain the process and properly perform a pre-response PM inspection, and provide adequate documentation on a checklist.		
1.2	Proficient	Candidate will successfully explain the purpose of emergency vehicle pre-response preventative maintenance inspections.		
1.3	Proficient	Candidate will successfully explain the steps to the emergency vehicle pre-response inspection process.		
1.4	Proficient	Candidate will successfully explain the safety precautions for emergency vehicle pre-response preventative maintenance inspections.		
1.5	Master	Candidate will successfully conduct a pre-response inspection on an emergency vehicle.		
2.0		Vehicle Inspection and Driving Preparation (NFPA 1002)		
2.1	Proficient	Candidate will explain how to perform a complete emergency vehicle inspection, schedule routine maintenance, and complete required documentation.		
2.2	Competent	Candidate will successfully identify major motor vehicle components.		
2.3	Competent	Candidate will successfully explain features of an emergency vehicle pre-response preventable maintenance inspection.		
2.4	Competent	Candidate will successfully explain how to perform routine maintenance on an emergency vehicle.		
2.5	Master	Candidate will successfully explain safety checks and adjustment that should be made to prepare for emergency vehicle driving.		
2.6	Master	Candidate will demonstrate proficiency in how to start the emergency vehicle.		
2.7	Master	Candidate will successfully explain precautions to take before moving an emergency vehicle.		
2.8	Master	Candidate will successfully conduct an inspection on a piece of apparatus at the station using the model inspection checklist		

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2.9	Proficient	Candidate will explain the apparatus and equipment defect reporting procedures for assigned station.		
2.10	Competent	Candidate will identify vehicle height, weight, length and width.		
3.0	Operating an Emergency Vehicle (NFPA 1002)			
3.1	Master	Candidate will be able to explain the purpose and use of emergency signaling equipment, how basic vehicle control tasks are accomplished, required urban driving skills, how to negotiate intersections, and make vehicle turnabouts.		
3.2	Master	Candidate will successfully explain the purpose of emergency vehicle signaling equipment.		
3.3	Proficient	Candidate will successfully explain basic emergency vehicle control tasks.		
3.4	Competent	Candidate will successfully explain urban emergency vehicle defensive driving skills.		
3.5	Master	Candidate will successfully explain how to safely negotiate a vehicle through intersection.		
3.6	Master	Candidate will successfully explain how to safely negotiate a vehicle operated in an emergency mode through intersections.		
3.7	Master	Candidate will successfully explain how to turn emergency vehicles around in a variety of situations.		
3.8	Master	Candidate will successfully explain the safe operating procedure for following another vehicle.		
3.9	Master	Candidate will successfully explain the safe operating procedures for passing another vehicle.		
3.10	Master	Candidate will successfully explain the safe operating procedures for expressway operations.		
3.11	Master	Candidate will successfully explain the safe operating procedures for driving at high speeds.		
3.12	Master	Candidate will successfully explain the operation of the rear axle locks and positive traction devices.		
4.0	Handling Dangerous & Unusual Driving Situations (NFPA 1002)			
4.1	Proficient	Candidate will be able to explain methods to prevent, and when necessary, control unusual and dangerous driving situations.		
4.2	Proficient	Candidate will successfully identify proper operating procedures for driving in adverse conditions.		
4.3	Proficient	Candidate will successfully explain how to handle contingency situations when they occur.		
4.4	Proficient	Candidate will successfully explain how to handle skids.		
4.5	Proficient	Candidate will successfully explain how to handle vehicle emergencies.		
4.6	Proficient	Candidate will successfully explain how to park a vehicle in an emergency.		
4.7	Proficient	Candidate will demonstrate proficiency in the proper use of on-spot chains.		
4.8	Proficient	Candidate will demonstrate proficiency in the proper installation of snow chains on that particular vehicle.		

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5.0	Driving Course Rules & Procedures (NFPA 1002)			
5.1	Master	Candidate will demonstrate proficiency in applications of rules and procedures during driving course exercises, with guidance. When training on a tractor drawn truck, the candidate must complete the driving course for the driver and tiller positions.		
5.2	Master	Candidate will demonstrate proficiency in the completion of the serpentine exercise.		
5.3	Master	Candidate will demonstrate proficiency in the completion of the alley dock exercise.		
5.4	Master	Candidate will demonstrate proficiency in the completion of the opposite alley exercise.		
5.5	Master	Candidate will demonstrate proficiency in the completion of the turn around exercise.		
5.6	Master	Candidate will demonstrate proficiency in the completion of the diminishing clearance exercise.		
5.7	Master	Candidate will demonstrate proficiency in parallel parking of an emergency vehicle.		
5.8	Master	Candidate will successfully explain the purpose of the controlled braking exercise.		
6.0	Driving Experience			
6.1	Master	Candidate must complete a minimum of 12 hours driving time on public roadways (parking lot time does not count towards this requirement). When training on a tractor drawn truck, the candidate must complete 12 hours driving time for the driver position and 12 hours for the tiller position.		
7.0	Gas Powered/Electric Fans			
7.1	Master	Candidate will demonstrate knowledge and proficiency in the use of gas and electric fans carried on the apparatus.		
7.2	Master	PPV Fan		
		a) Placement for:		
		1. House Fires		
		2. Garden Apartment Fires		
		3. High Rise Fires		
		4. Below Grade Fires		
		b) Set up:		
		1. Parallel		
		2. Series		
		c) Maintenance:		
		1. Check Blades		
		2. Oil		
		3. Fan Housing		
		4. Proper Fuel		
7.3	Master	Electric Fan		
		a) Set up:		
		1. PPV		
		2. Negative Ventilation		
		3. Assist with Gas PPV Fans		

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8.0		Saws		
8.1	Master	Candidate will demonstrate the use and knowledge of all saws carried on the apparatus.		
8.2	Master	Chain Saw		
		a) Operation		
		b) Different Types of Blades (Carbide, Regular)		
		c) Replacement of Blade		
		d) Type of Fuel		
		e) General Maintenance		
8.3	Master	Cut-off Saw		
		a) Operation		
		b) Type of Fuel		
		c) Different Types of Blades		
		d) Replacement of Blade		
		e) General Maintenance		
9.0		Hydraulic Tools and Equipment		
9.1	Proficient	Candidate will demonstrate proficiency in the knowledge and use of the hydraulic power tools carried on the apparatus.		
9.2	Proficient	Onboard Power Plant.		
		a) Hydraulic fluid access and levels.		
		b) Length of hose on reels and coils.		
9.3	Proficient	Portable Power Plant		
		a) Fluid access and levels.		
9.4	Master	Candidate will demonstrate proficiency in the ability to setup tools in a series.		
10.0		Technical Rescue Equipment		
10.1	Proficient	Candidate will demonstrate proficiency in the 5-point lashing technique for the stokes basket.		
		a) Waist lashing (15' webbing)		
		b) Feet lashing (15' webbing)		
		c) Chest lashing (15' webbing)		
10.2	Proficient	Candidate will demonstrate proficiency in exterior lashing of the patient into the stokes basket.		
10.3	Proficient	Candidate will demonstrate proficiency in rigging the stokes basket for the following:		
		a) Horizontal raise using 3:1 (Z system)		
		b) Vertical raise using 3:1 (Z system)		
11.0		Ground Ladders		
11.1	Master	Candidate will be able to identify and be familiar with all ground ladders carried on the apparatus.		
11.2	Proficient	Candidate will perform a visual check of the ground ladders to check for the following:		
		a) General defects.		
		b) Any damage.		
		c) Condition of the haylards.		
		d) Condition of the heat sensor.		

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11.3	Proficient	Candidate will demonstrate the proper technique for deploying ground ladders:		
		a) Work off a ladder.		
		b) Ventilation		
		c) Rescue from a window.		
12.0		Ladder Pipe Operations		
12.1	Master	Candidate will demonstrate proficiency in how to set up the ladder/tower for master stream operations in various situations.		
12.2	Master	Stream Placement		
		a) Cooling a pressurized tank.		
		b) Exposure protection.		
		c) Fire Extinguishment.		
12.3	Master	Flying Standpipe		
		a) Proper setup.		
		b) Proper placement.		
12.4	Master	Haylard placement.		
		a) Turntable use.		
		b) Ground use.		
12.5	Competent	Candidate will demonstrate proper placement of rope hose tools.		
12.6	Proficient	Candidate will demonstrate proper manual operations.		
12.7	Proficient	Candidate will demonstrate the proper procedure to repack the ladder pipe hose line.		
12.8	Proficient	Candidate will demonstrate knowledge of the 70-75-80 Rule of Thumb.		
13.0		PTO and Ladder Operations		
13.1	Master	Candidate will demonstrate proficiency in how to place the apparatus into PTO.		
13.2	Master	Candidate will demonstrate proficiency in how to setup the out-riggers for the following:		
		a) Normal operations.		
		b) Emergency operations (using auxiliary pump).		
13.3	Master	Candidate will demonstrate proficiency in how to operate the ladder for the following:		
		a) Raise		
		b) Rotate		
		c) Extent		
		d) Emergency operations (manual operations)		
		e) Rotation lock.		
14.0		Apparatus Positioning, Spotting and Ladder Placement		
14.1	Master	Candidate will demonstrate proficiency in proper apparatus positioning per policy and Procedure #24-07 (Safe Structure Firefighting)		
14.2	Proficient	Candidate will demonstrate proficiency in proper apparatus positioning per Policy and Procedure #24-06 (Metro Incident)		

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14.3	Proficient	Candidate will demonstrate proficiency in how to spot the turntable for the following:		
		a) Rescue at sides 1 and 2.		
		b) Rescue on sides 3 and 4.		
14.4	Master	Candidate will demonstrate proficiency in how to stabilize the apparatus for the following:		
		a) Soft ground.		
		b) Even and uneven terrain.		
		c) Slopes (front to back and side to side).		
		d) Short jacking.		
14.5	Proficient	Candidate will demonstrate proficiency in where to place the aerial ladder for the following:		
		a) Rescue at a window.		
		b) Rescue at a balcony.		
		c) Roof work.		
14.6	Master	Candidate will successfully explain how to operate the ladder in inclement weather.		
		a) Icy conditions.		
		b) Wind conditions.		
15.0		Elevators		
15.1	Master	Candidate will identify and demonstrate knowledge of the tools carried on the apparatus for elevator operations.		
15.2	Proficient	Candidate will identify the characteristics of elevators in order to safely remove occupants:		
		a) Hydraulic Elevators.		
		b) Traction Elevators.		
		c) Elevator Keys.		
		d) Fireman Service.		
		e) Lock Out/Tag Out.		
16.0		Electrical Systems & Components		
16.1	Master	Candidate will demonstrate proficiency in the knowledge and use of the following electrical components (as applicable):		
		Onboard Generator		
		a) Capacity		
		b) Operation		
		All Portable Generators		
		a) Capacity		
		b) Operation		
		c) Fuel		
		Light Towers		
		Flood Lights		
		Portable Lights		
		Compressors		
		Fans		

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		Reels		
		a) Length of Fixed Reels		
		b) Length of Portable Reels		
		Reciprocating Saw		
		a) Type of Blade		
		b) Operation		
16.2	Master	Candidate will demonstrate the knowledge and location of the panel box(s).		
16.3	Proficient	Candidate will demonstrate the ability to illuminate a 3-room burned out area using the following:		
		a) Trunk Line		
		b) Auxiliary Branch Lines		
		c) Proper Components		
17.0		Policy and Procedures		
17.1	Proficient	Candidate will review Metro Policy #24-06.		
17.2	Proficient	Candidate will review Structural Firefighting Policy #24-07.		
17.3	Proficient	Candidate will review Gas Leak Policy #25-07.		
17.4	Proficient	Candidate will review Trench Rescue Policy Executive Regulation #65-89.		
17.5	Proficient	Candidate will review PIC Policy #24-04.		
17.6	Proficient	Candidate will review Vehicle Collision Reporting Policy #605.		
18.0		Metro Operations		
18.1	Proficient	Candidate will demonstrate knowledge in Metro operations for Truck Companies:		
		a) Assemble and Identify metro equipment.		
		b) Proper check-out of Volt Probe and WSAD.		
		c) Truck company responsibilities for a Metro incident.		
		d) Proper placement of wheel chocks.		
		e) Proper procedure for discharging capacitor.		
		f) Proper procedure for monitoring 3 rd Rail power.		
		g) Proper procedure and placement for deploying a WSAD.		
		h) Proper procedure for clearing a Metro incident after personnel have been in the ROW.		
19.0		Apparatus Positioning		
19.1	Proficient	Candidate will successfully explain the factors to consider when positioning this type of apparatus on the following incidents:		
		a) EMS Incident		
		b) Vehicle Collision		
		c) Trench Collapse		
		d) Single Family Dwelling Fire		
		e) Hazardous Materials Incident		
		f) Commercial Building Fire		

Section	Performance Level	Competencies	OIC Signature	Date Completed
20.0		Apparatus Inventory		
	Master	Candidate will demonstrate knowledge of apparatus inventory.		

Master Able to perform Competency 90-100% of the time without assistance.
 **Proficient ** Able to perform Competency 80-90% of the time without assistance.
 ** Competent ** Able to perform Competency 70-80% of the time without assistance.